



# COMPONENT DATA SHEET

## KELMAR® 1920

**Kelmar®**  
waterproofing systems

Page 1 of 2

### Epoxy Lock Coat

## Description

KELMAR® 1920 is a 100% solids epoxy that is used as a lock coat in the KELMAR® Systems of water-proofing and parking deck protection. KELMAR® 1920 has negligible odor, making it suitable for both indoor and outdoor use.

## Typical Uses

- As a lock coat in KELMAR® Systems

## Features

- UV Resistant
- Negligible odour
- Durable
- Flexible
- Available in a variety of colors

## Limitations

- Substrate and air temperature must be a minimum of 10°C (50°F) and a maximum of 32°C (90°F) during the entire application cycle
- The material being coated must cure a minimum of 8 hours prior to coverage
- Area to be covered must be swept and all loose sand removed

## Theoretical Coverage

- Approximately 160 sq. ft. per gallon at 10 wet mils
- Coverage will vary depending on aggregate size
- Mix ratio – 2 Parts Resin : 1 Part Hardener

## Physical Properties

- Pot Life:** 20 Minutes @ 22°C (72°F)
- Solids:** 100%
- VOC Content:** 0 g/L less water
- Tensile Strength** (ASTM D412) - 2000psi

## Chemical Resistance

Testing in accordance with ASTM-D-1308 spot test procedure indicates that Kelmar® 1920 is unaffected by the following reagents:

### Automotive Fluids:

Grease	Heptane
Motor Oil	Hexane
Transmission Oil	Anti-Freeze
Gasoline	

### Alkalis:

Ammonium Hydroxide (conc.)
Potassium Hydroxide 30%
Sodium Hydroxide 30%
Sodium Silicate 20%
Lime Water – Saturated Calcium Hydroxide Sol'n

### Solvents:

Acetone
Methyl Ethyl Ketone
Denatured Alcohol
Butyl Alcohol
Butyl Acetate
Carbon Tetrachloride
Trichloroethylene
Cellosolve Solvent
Toluene
Xylene
Mineral Spirits

### Organic Acids

Acetic 10%
Citric 20%
Lactic 40%
Gluconic 40%
Tartaric 40%

### Inorganic Acids

Chromic 20%
Hydrochloric 30%
Nitric 40%
Hydrofluoric 20%
Phosphoric 50%

R&D Technical Solutions Ltd.

7000 Davand Drive, Mississauga, ON L5T 1J5 Canada Tel: 905.795.9900 Toll Free: 800.387.5703 Fax: 905.795.9912

[www.kelmar.com](http://www.kelmar.com)

[www.rdsolutions.ca](http://www.rdsolutions.ca)

Revision Date: March 15, 2018



## COMPONENT DATA SHEET

# ***KELMAR<sup>®</sup> 1920***

**Kelmar<sup>®</sup>**  
waterproofing systems

Page 2 of 2

### Epoxy Lock Coat

## Chemical Resistance (cont'd)

Inorganic Salts:
Calcium Chloride, 20%
Ammonium Chloride, 20%
Sodium Chloride, 20%
Sodium Carbonate, 20%
Sodium Phosphate, 20%
Sodium Sulfate, 20%
Magnesium Sulfate, 20%

## Safety Precautions

Please refer to product Safety Data Sheet

**R&D Technical Solutions Ltd.**

7000 Davand Drive, Mississauga, ON L5T 1J5 Canada Tel: 905.795.9900 Toll Free: 800.387.5703 Fax: 905.795.9912

[www.kelmar.com](http://www.kelmar.com)

[www.rdsolutions.ca](http://www.rdsolutions.ca)

Revision Date: March 15, 2018